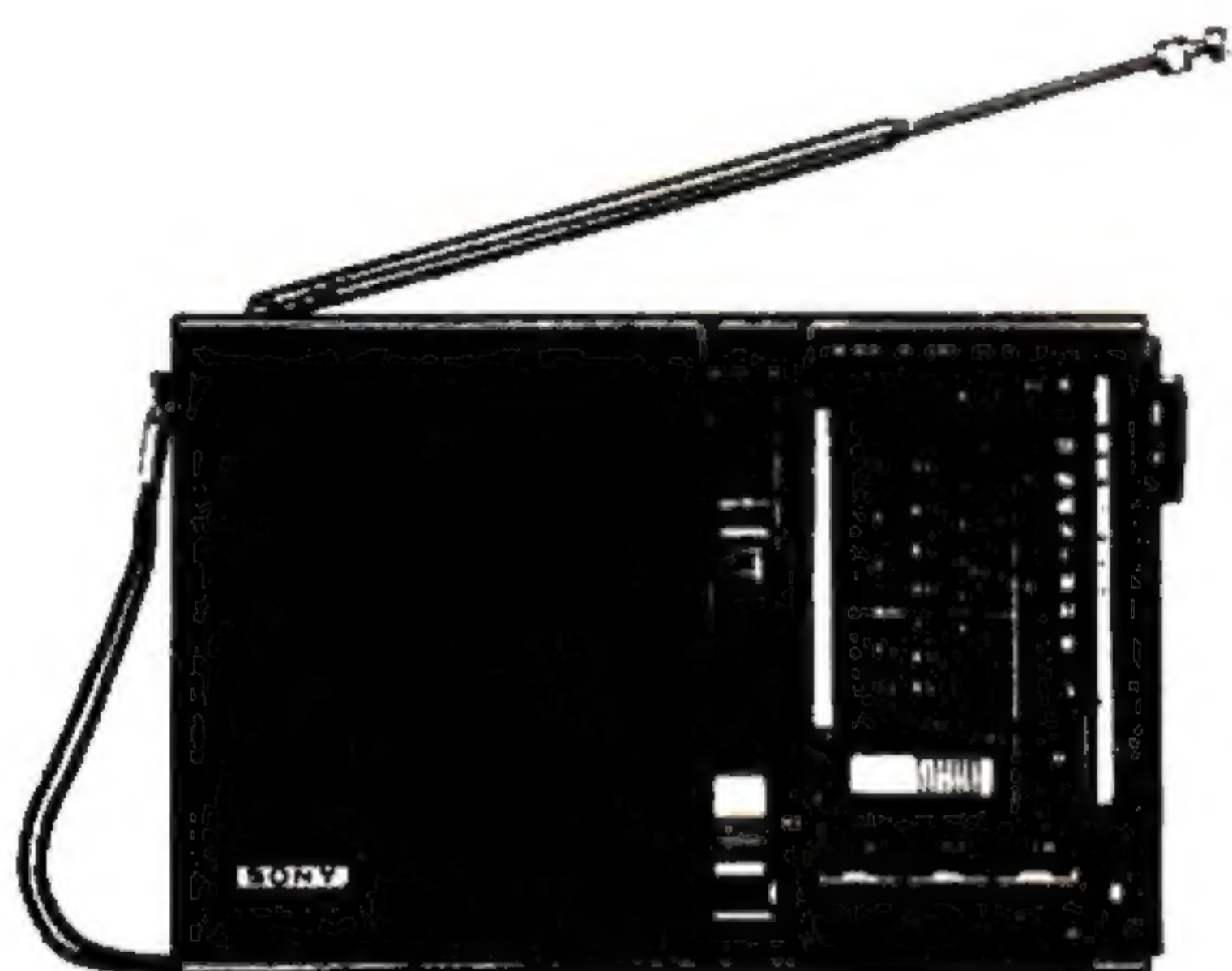


# SONY®

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## FM/MW/SW 7 BAND RECEIVER

# ICF-7600



## OPERATING INSTRUCTIONS

- Before operating the set, please read this manual thoroughly.
- This manual should be retained for future reference.



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## OWNER'S RECORD

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The model number is located at the bottom and the serial number is located in the battery compartment. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. ICF-7600

Serial No. \_\_\_\_\_

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## ENREGISTREMENT PERSONNEL

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Le numéro de modèle se trouve au fond de l'appareil, et le numéro de série dans le logement pile. Les inscrire dans l'espace prévu ci-dessous. Rappeler ces numéros lorsque l'on contacte le concessionnaire Sony pour tout problème relatif à cet appareil.

Modèle N°. ICF-7600

Série N°. \_\_\_\_\_

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## ANOTACIONES PERSONALES

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El número del modelo está localizado en la base del mismo y el número de serie en el portapilas. Anote estos números en el espacio provisto abajo. Refiérase a ellos cuando quiera que necesite llamar al distribuidor Sony respecto a este producto.

Nº de modelo ICF-7600

Nº de serie \_\_\_\_\_

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## REGISTRIERUNG FÜR DEN BESITZER

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Die Typennummer ist an der Unterseite des Gerätes und die Seriennummer im Batteriefach vermerkt. Schreiben Sie diese Nummern in die unten angegebenen Freiräume. Jedesmal, wenn Sie Ihren Sony Händler wegen diesem Gerät konsultieren, beziehen Sie sich auf diese Nummern.

Typennummer: ICF-7600    Seriennummer: \_\_\_\_\_



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FEATURES

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- High quality portable radio offers listening pleasure in FM, MW, and 5 SW bands.
- FM band covers the range from 76 to 108 MHz for world-wide use.
- 5 meter bands are spread out for easier SW reception.
- Ceramic filters in the IF section provide high selectivity.
- Flat cabinet makes the radio handy for use flat on the desk.
- Push-type Band Selector Buttons make operation simple.
- Radio is equipped with 3-position Tone Control Switch, and NEWS position for clearer SW reception.
- Radio operates on three different power sources: batteries, house current, and 12 V car battery.



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## PRECAUTIONS

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- Do not open the cabinet. Refer servicing to qualified personnel only.
- Operate the set only on 6 V dc. For ac operation, use the ac power adaptor recommended for this set. Do not use any other ac power adaptor.  
For car battery operation, use the car battery cord recommended for this set. Do not use any other car battery cord.
- Disconnect the ac power adaptor from the wall outlet when the set is not to be used for an extended period of time.
- When the set is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid set damage from battery leakage.
- Do not leave the set in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Should any liquid or solid object fall into the set, remove the batteries and disconnect the ac power adaptor, and have the set checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, metallic objects such as pins, etc. may cling to the set. Keep watches away to prevent their becoming magnetized, and keep recorded tapes away from the set to avoid erasing the recorded contents.
- When the cabinet becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the cabinet.
- If you have any question or problem concerning your set that is not covered in this manual, please consult your nearest Sony dealer.

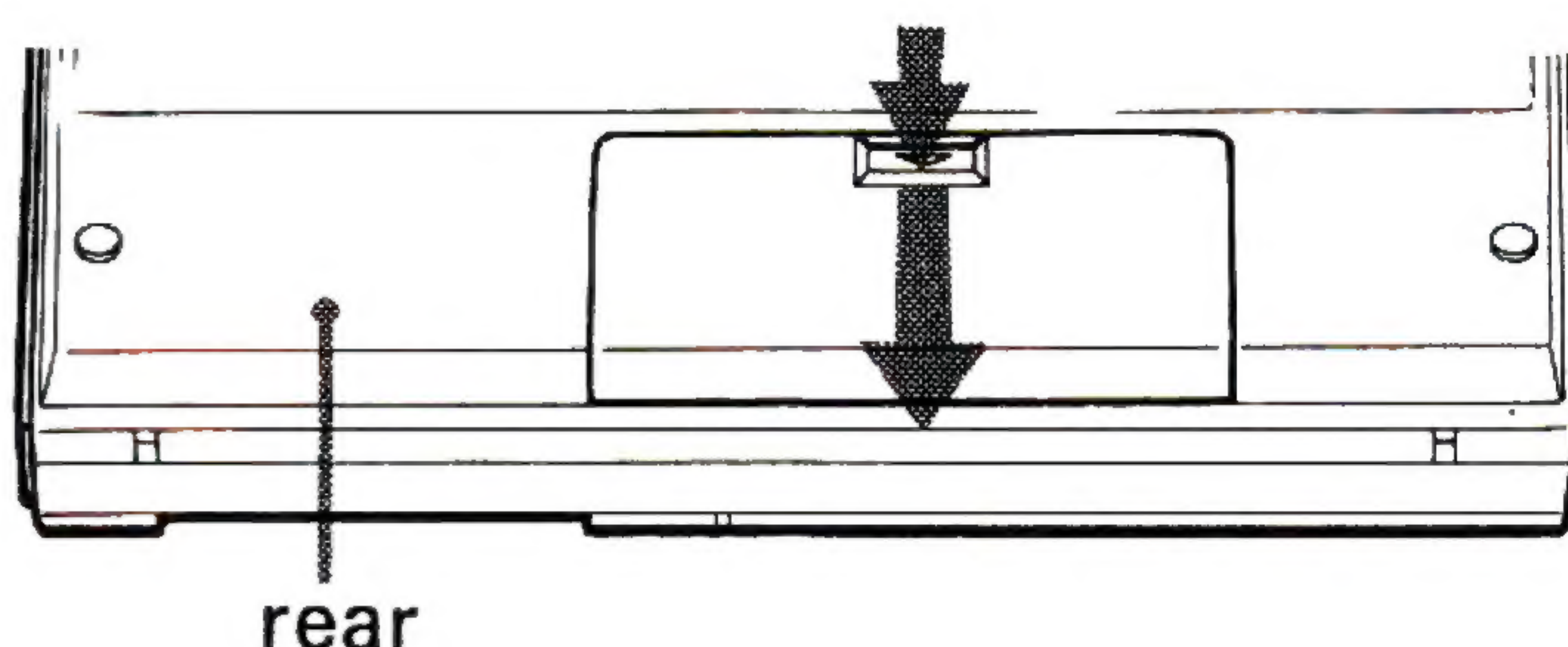


# POWER SOURCES

## BATTERIES

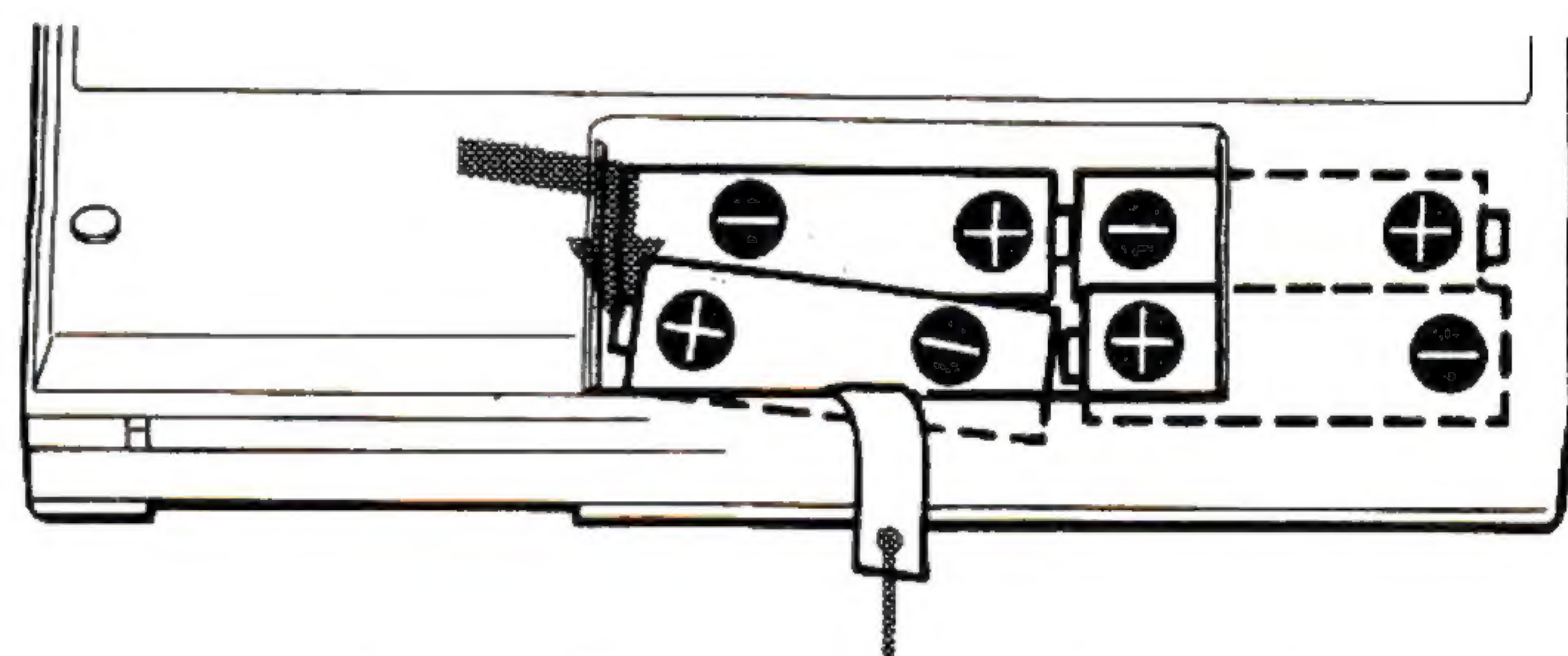
### Battery installation

❶ Press and slide as shown to open the Battery Compartment Lid.



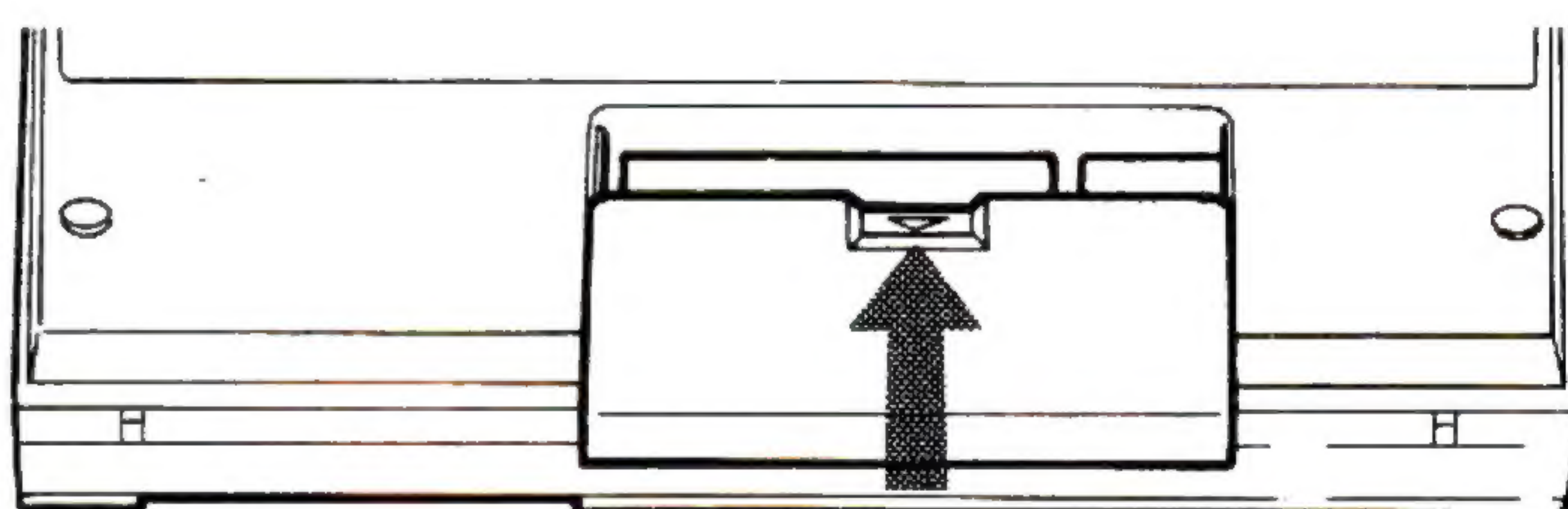
❷ Insert four size AA batteries with correct polarity as illustrated.

The flat ends of the batteries press against the springs.



Lay the ribbon under the batteries. The ribbon aids in removing the batteries.

❸ Close the lid.



● The set cannot be operated on the internal batteries when either the ac power adaptor or car battery cord is connected to the set.

● When the set is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid set damage caused by battery leakage and corrosion.

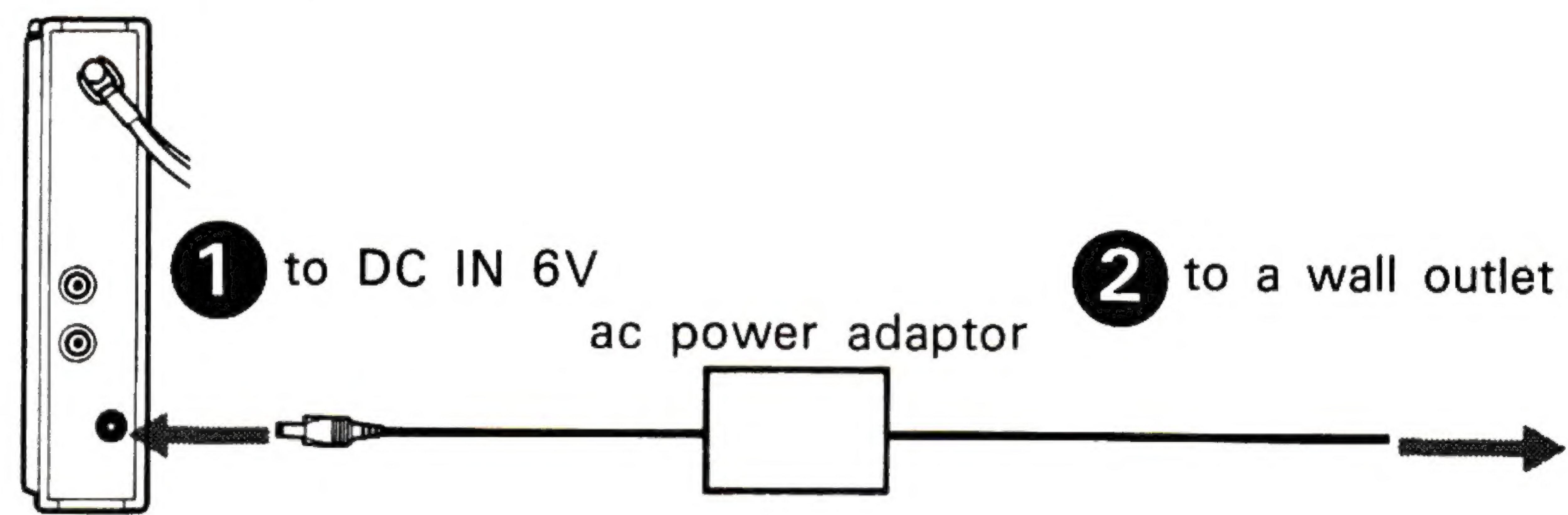
● When the sound becomes weak or distorted, replace all the batteries with fresh new ones.



HOUSE CURRENT

Connect the optional Sony AC Power Adaptor appropriate for your location as listed below.

Connect the adaptor to the radio first, and then to the wall outlet, as illustrated.



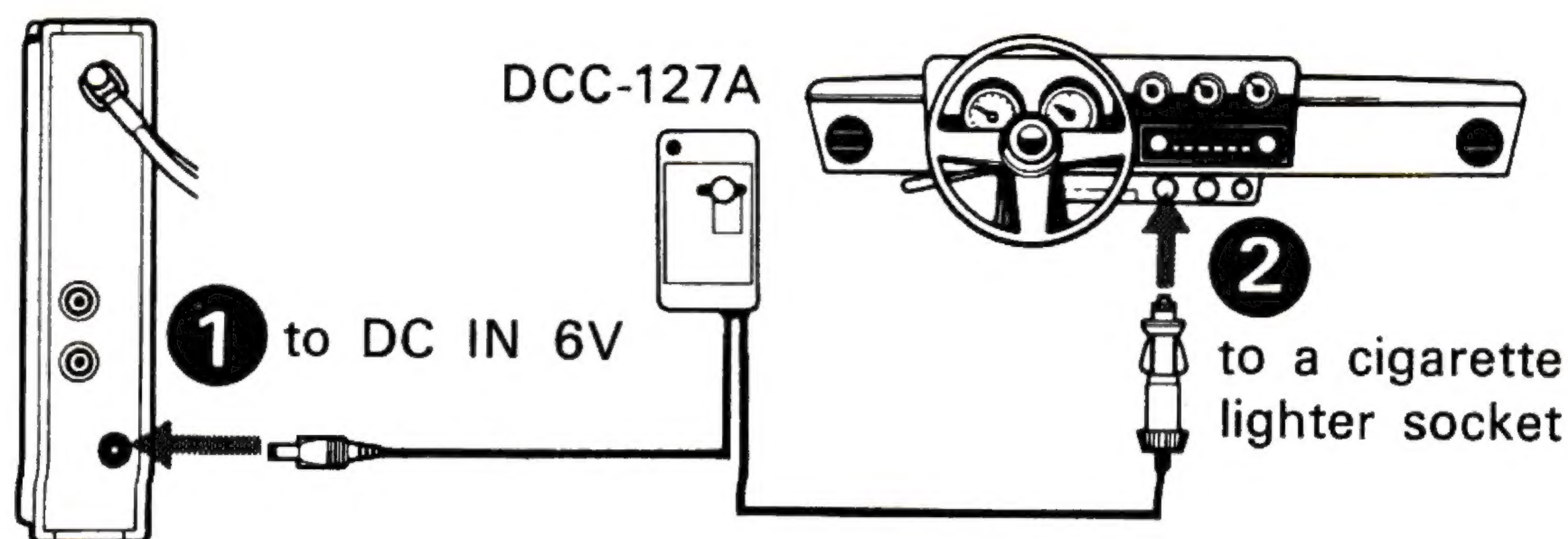
| where used         | AC Power Adaptor | input voltage of the adaptor         |
|--------------------|------------------|--------------------------------------|
| Japan              | AC-9             | 100 V ac                             |
| the USA            | AC-9W            | 120 V ac                             |
| Canada             | AC-9             | 120 V ac                             |
| the United Kingdom | AC-15A           | 240 V ac                             |
| European countries | AC-456C          | 110 or 220 V, ac adjustable          |
| other countries    | AC-4A            | 110, 120, 220 or 240 V ac adjustable |

- Before connecting, be sure to read the instruction manual for the adaptor.
- When the ac power adaptor is connected to the radio DC IN 6 V jack, the internal batteries (if present) are automatically disconnected.



## 12 V CAR BATTERY

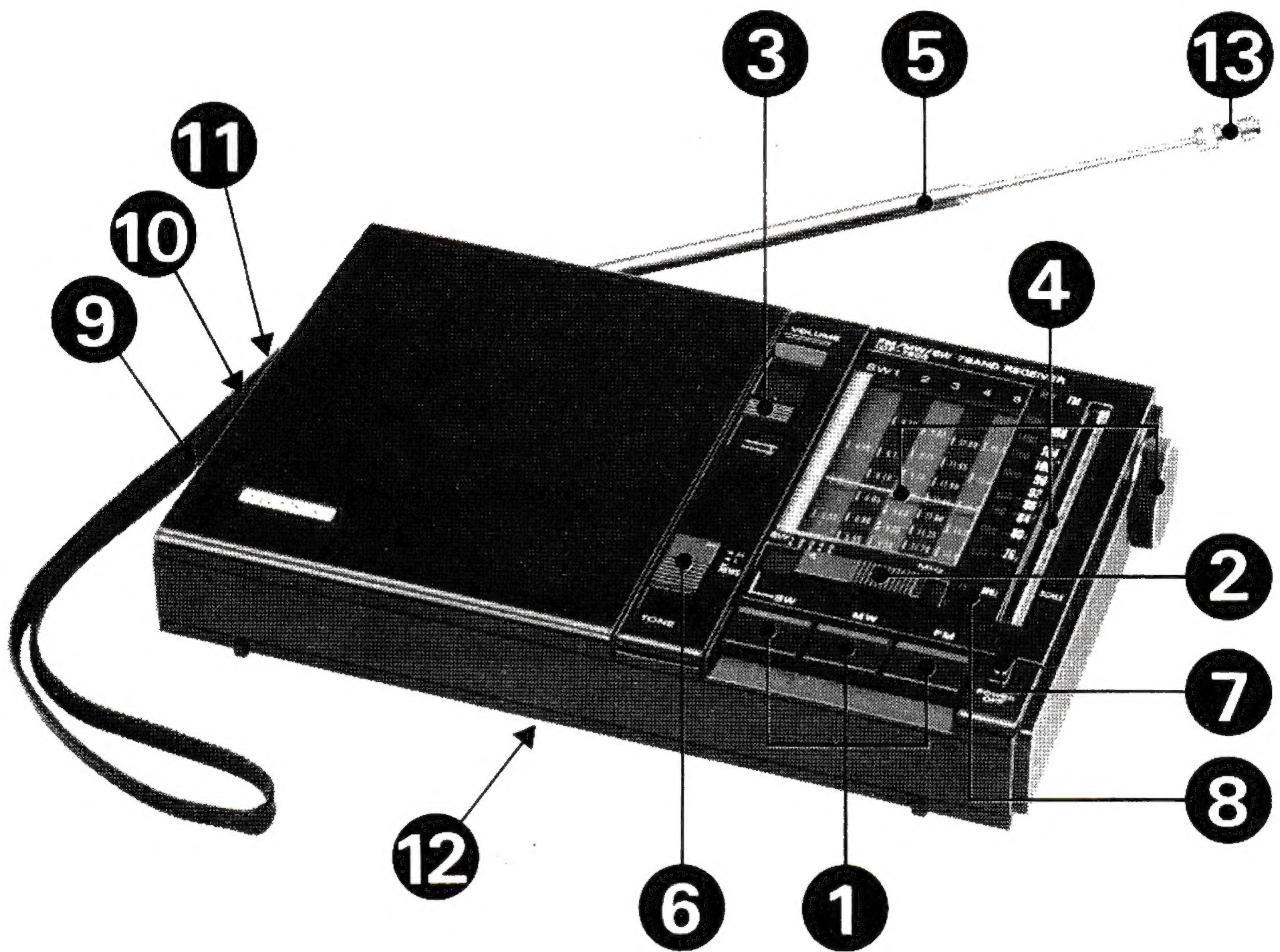
Use the Sony Car Battery Cord DCC-127A (optional) and connect the radio DC IN 6 V jack to the cigarette lighter socket of a car. For further details, refer to the instruction manual of the DCC-127A.



● When the car battery cord is connected to the DC IN 6 V jack, the internal batteries (if present) are automatically disconnected.



# LOCATION AND FUNCTION OF CONTROLS



❶ **Band Selector Buttons:** Depress and lock the desired band button, FM, MW, or SW. The radio will be turned on simultaneously.

● To release the locked button, press another button or the POWER OFF button.

❷ **SW Band Selector:** For SW reception, choose the desired meter band with this selector after depressing the SW button.

SW1: 75 meters (3.9 – 4.0 MHz)

SW2: 49 meters (5.95 – 6.2 MHz)

SW3: 31 meters (9.5 – 9.8 MHz)

SW4: 25 meters (11.7 – 12.0 MHz)

SW5: 19 meters (15.1 – 15.5 MHz)

❸ **VOLUME Control:** Slide upwards to get sound. After tuning, adjust the volume to your preference. When you slide the



knob upwards, figures will appear. The position 10 provides the maximum sound volume.

**④ Tuning Knob and Dial Scales:** Turn the knob to select the desired station so that the Tuning Indicator lights steadily. (When receiving a weak signal station, the indicator may not light up. In this case, adjust the knob for the best reception.) The frequencies available within each band are marked on the corresponding Dial Scale.

**⑤ Telescopic Antenna:** Adjust the antenna as required. See "ANTENNA ARRANGEMENT" on page 10.

**⑥ TONE Control Switch:** Adjust the tone quality to your preference. Normally set the switch to H. For less treble sound, set to L. When the noise is severe during SW reception, set it to NEWS. The noise may be reduced to some extent, and the vocal part will be heard more clearly.

**⑦ POWER OFF Button:** After using, press this button. The locked Band Selector Button is released and the power is turned off.

**⑧ Tuning Indicator:** Illuminates when a signal is received. Use this indicator when tuning in a station.

**⑨ External Power Input Jack [DC IN 6 V]:** For operation from house current or from a 12 V car battery. See page 6.

**⑩ Earphone Jack [🎧]:** For listening with an earphone. When the earphone is plugged in, the built-in speaker is disconnected automatically.

**⑪ Recording Jack [📻]:** For recording radio programs with a tape recorder. Connect this jack to the microphone input jack of your tape recorder with a suitable cord. For a Sony tape recorder, use the Sony Connecting Cord RK-69H (optional).

● The volume or tone control setting of the radio has no effect on the recording.

**⑫ Battery Compartment (rear)**

**⑬ External Antenna Terminal:** For better SW reception, connect an external antenna to this terminal. See "SW EXTERNAL ANTENNA CONNECTION" on page 12.

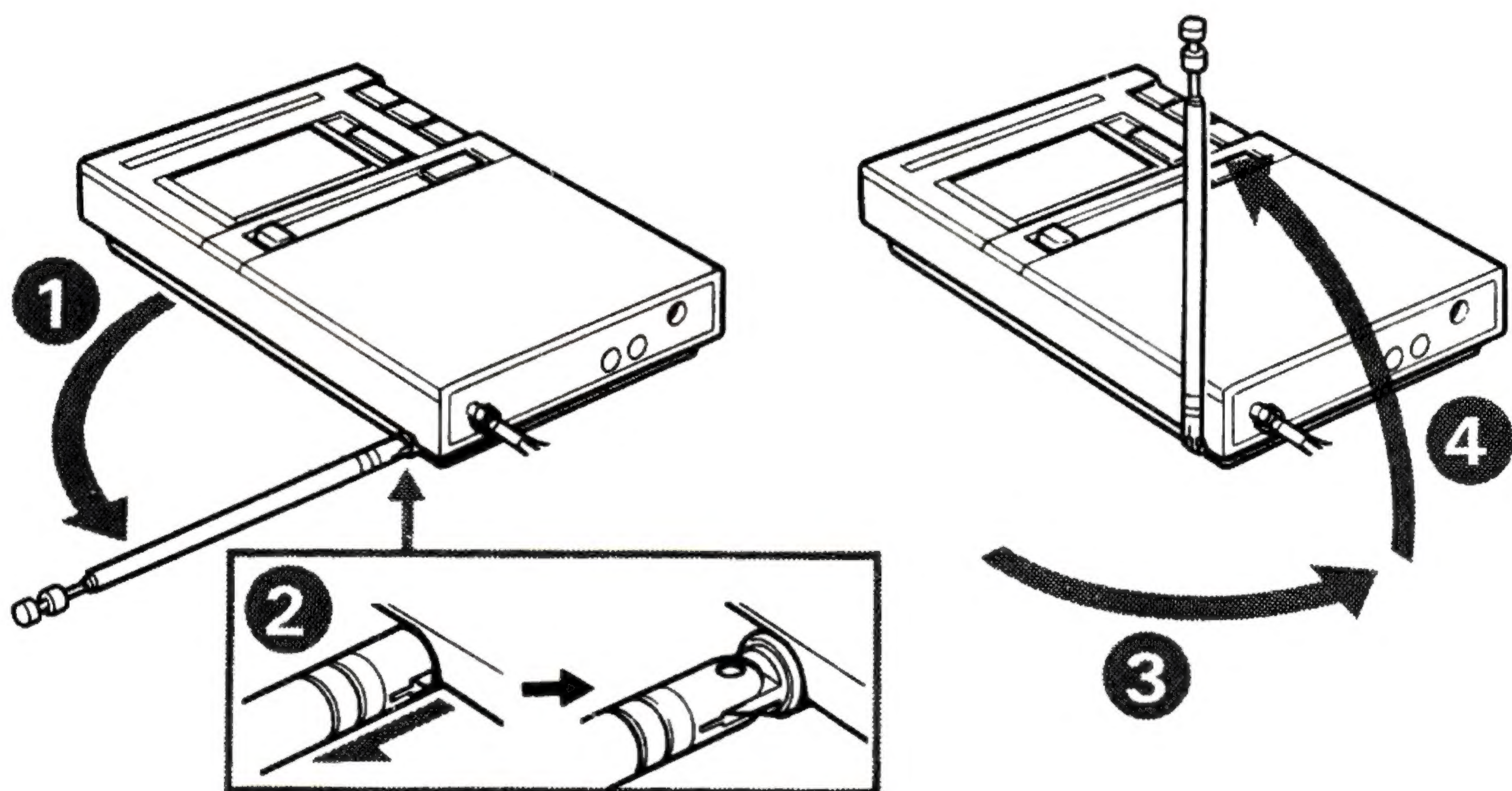


## ANTENNA ARRANGEMENT

After tuning in a station, adjust the antenna for the best reception.

● When using the Telescopic Antenna, pull it until the base joint clicks out as shown in illustration ②. Especially when the radio is laid flat, the direction of the antenna cannot be adjusted unless the base joint is pulled out.

To retract the antenna, position it at right angles to the set as in ① and push the base joint back into the set.

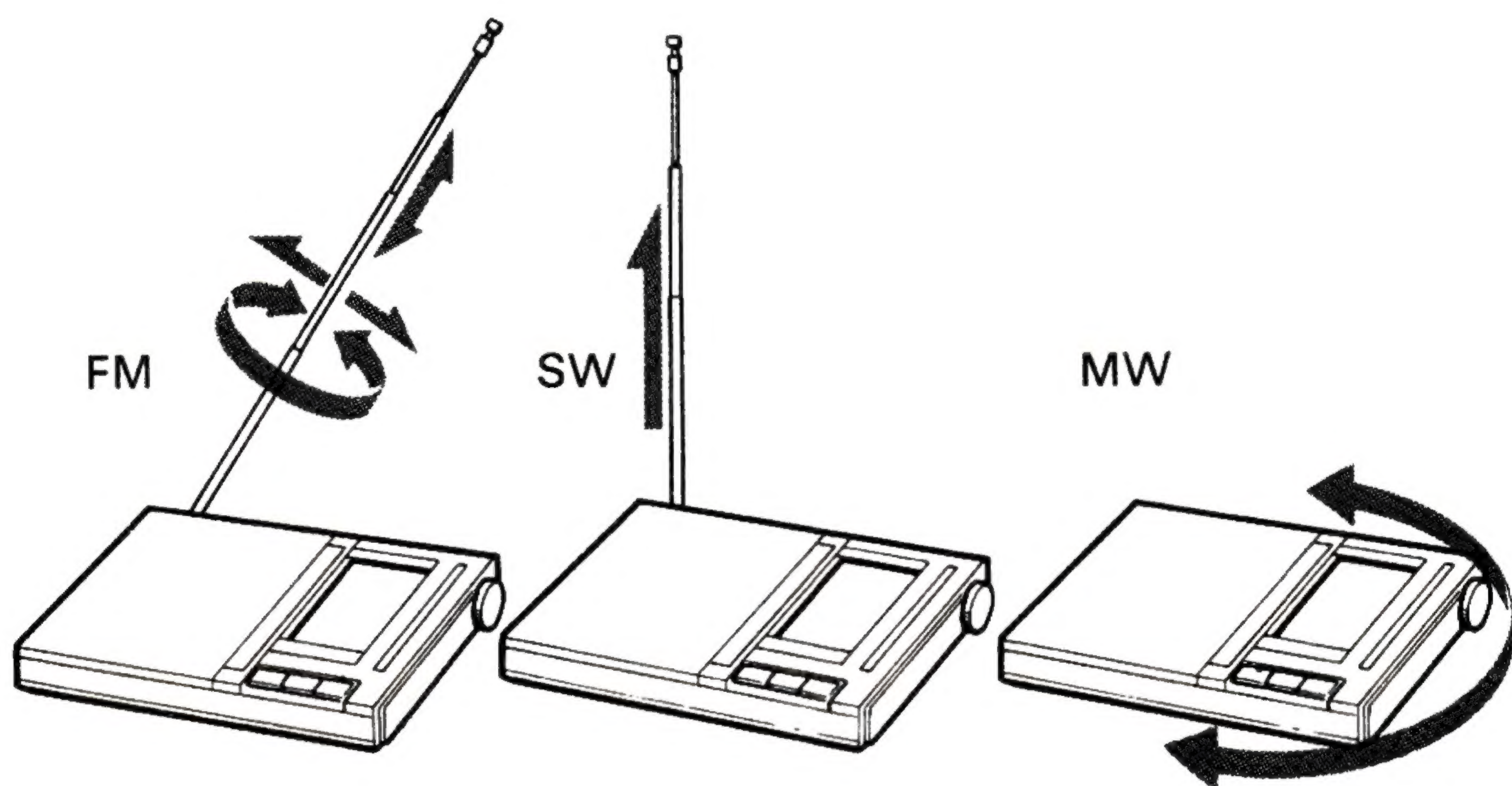




**FM reception:** Pull out the Telescopic Antenna and adjust its length, direction, and angle for the best reception.

**SW reception:** Pull out the Telescopic Antenna to its full length and stand it vertically.

**MW reception:** When the MW button is depressed, the Telescopic Antenna is disconnected and the built-in ferrite bar antenna is used instead. Since this antenna is directional, rotate the set horizontally for optimum reception, if necessary.

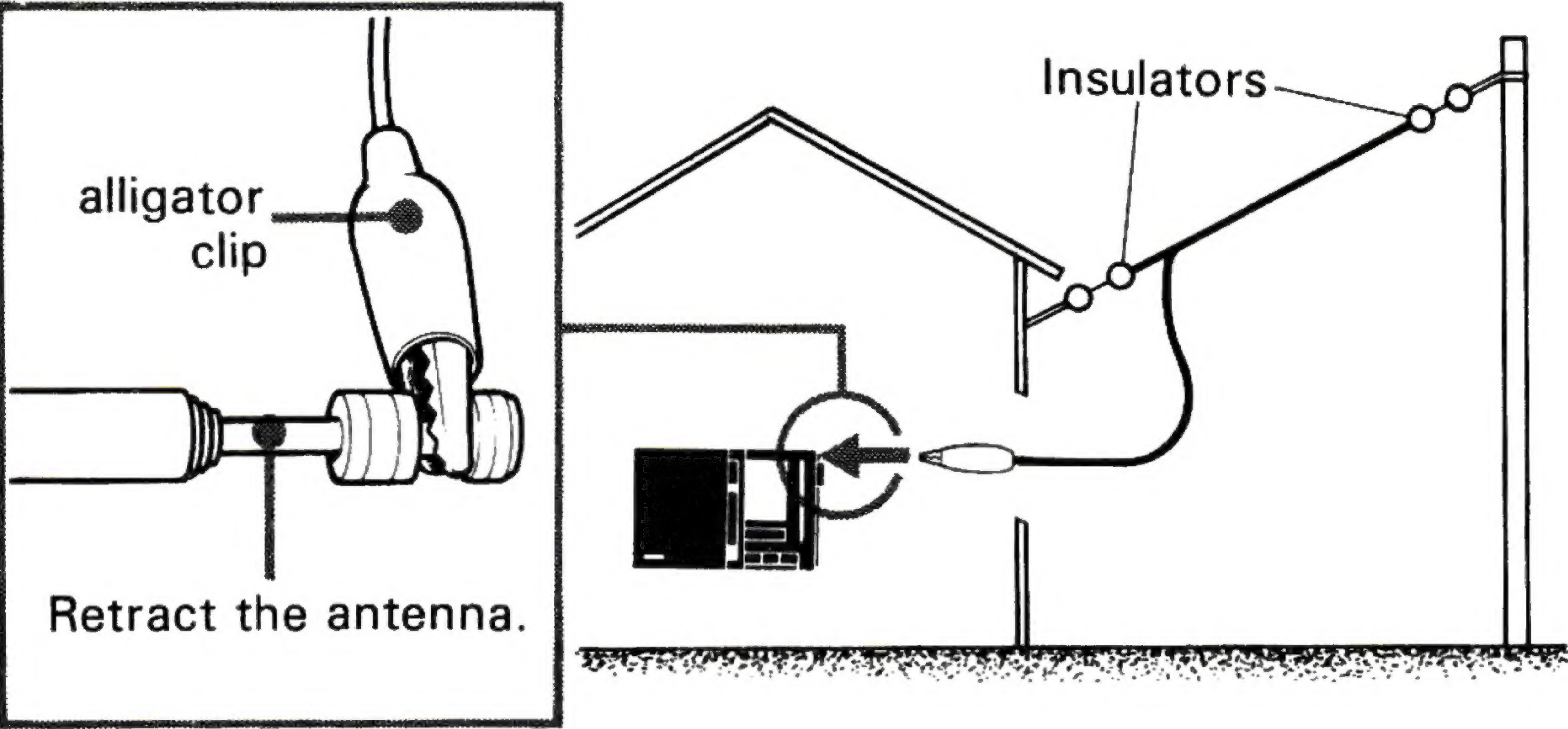




# SW EXTERNAL ANTENNA CONNECTION

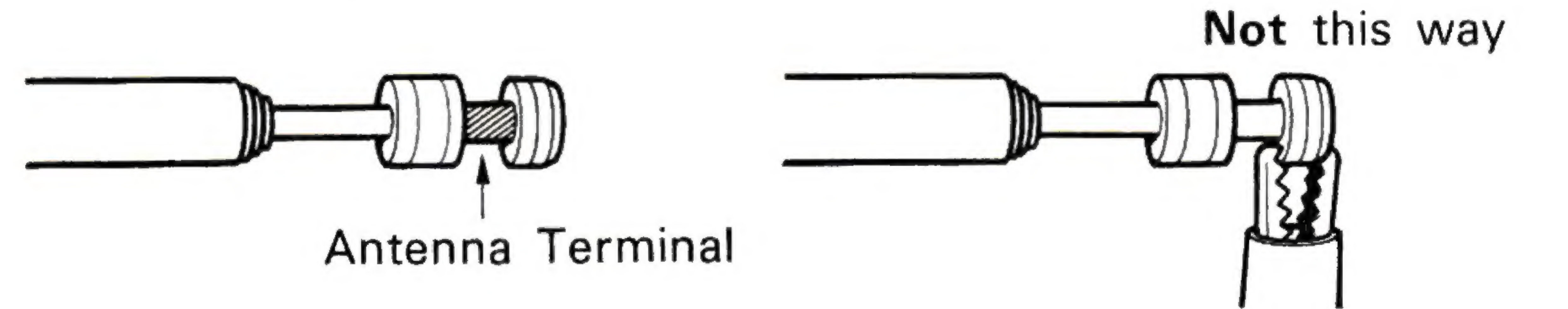
Ordinarily the radio's own Telescopic Antenna is enough to pull in usable signals. However, the use of an external antenna will improve the reception of weak signals and give more stable SW reception when the radio is located inside a building.

Connect an antenna wire (10 m long or so) to the antenna terminal with an alligator clip or something similar, and extend it as high as possible.



## Notes

● The External Antenna Terminal is located at the tip of the Telescopic Antenna. Never connect an external antenna to any other metallic part.



● When an outdoor external antenna is used, disconnect it from the antenna terminal of the set during a lightning storm, unless the installation incorporates a suitable lightning arrestor.



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# SPECIFICATIONS

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|                    |   |
|--------------------|---|
| Frequency range    | FM 76 – 108 MHz<br>SW1 3.9 – 4.0 MHz (75 m)<br>SW2 5.95 - 6.20 MHz (49 m)<br>SW3 9.5 – 9.8 MHz (31 m)<br>SW4 11.7 – 12.0 MHz (25 m)<br>SW5 15.1 – 15.5 MHz (19 m)<br>MW 530 – 1,605 kHz (566 – 187 m)                                   |
| Antennas           | FM: Telescopic antenna<br>SW: Telescopic antenna,<br>external antenna terminal<br>MW: Built-in ferrite bar antenna  |
| Speaker            | Approx. 7.7 cm (3 inches) dia.  |
| Power output       | 350 mW (at 10% harmonic distortion)   |
| Outputs            | Recording jack (minijack)<br>Earphone jack (minijack)   |
| Power requirements | 6 V dc, four batteries size AA<br>(IEC Designation R6)<br>110, 120, 220, or 240 V ac with optional<br>Sony AC Power Adaptor of 6 V dc output<br>listed on page 6.<br>12 V car battery with Sony Car Battery<br>Cord DCC-127A (optional) |
| Dimensions         | Approx. 179 × 117 × 31 mm (w/h/d)<br>(7 1/8 × 4 5/8 × 1 1/4 inches)<br>not incl. projecting parts and controls  |
| Weight             | Approx. 600 g (1 lb 6 oz)<br>incl. batteries  |
| Accessory supplied | Earphone ME-20H   |

Design and specifications subject to change without notice.



## **Optional accessories**

AC Power Adaptor AC-9, AC-9W, AC-15A, AC-456C, AC-4A

Car Battery Cord DCC-127A

Connecting Cord RK-69H (for recording with a tape recorder)

● Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information about the optional accessories available in your country.

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## **TROUBLESHOOTING GUIDE**

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Should any problem occur with the set, make the following simple tests to determine whether or not servicing is required. If the problem persists after you have made these tests, consult the nearest Sony dealer for further information.

### **Sound is not heard at all.**

- None of the Band Selector Buttons is depressed.
- The VOLUME control is slid down completely.
- The earphone is plugged in.
- Batteries have been inserted with incorrect polarity.
- The batteries are exhausted.
- The ac power adaptor is not connected firmly on ac operation.
- Battery operation is attempted while the ac power adaptor or a car battery cord is connected to the set but not to the wall outlet or cigarette lighter socket.

### **Very weak or interrupted sound, or unsatisfactory reception.**

- Improper tuning.
- Weak batteries.
- Improper adjustment of the antenna.